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MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES

Monthly Activities Report
of the Air Quality Bureau

January, 1979

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1. Highlights:

The Draft Environmental Impact Statement for the Ambient Air Quality Standards Study for Montana was printed and mailed to industry and interested persons. The period for comments will be extended until March 5, 1979, because of delays in mailing.

The Board of Health met on January 19, 1979.

2. Ambient Air Quality Network:

a. Standards Exceeded:

Hi-vol standards exceeded:

City	Station	Date	200 ug/m^3 st. std.
Butte	Dr. Canty	1/6	163
Butte	Hebgen Park	1/8	166
Butte	Greeley School	1/9	196

SO_2 near Anaconda	Highway Jct. 28	Mill Creek 13	Lincoln School 14
Exc. 0.25 ppm			
Highest 24-hour	0.53 ppm	0.37 ppm	0.16 ppm
Highest 1-hour	2.20 ppm	1.20 ppm	0.54 ppm

NO_2 - Lincoln School:	Highest 24-hour	0.028 ppm
	Highest 1-hour	0.045 ppm
THC - Lincoln School:	Highest 24-hour	1.8
	Highest 1-hour	3.0
CO - Alpine West:	Highest 24-hour	6.29 ppm
	Highest 1-hour	1.46 ppm

Many violations of the state and federal standards were recorded in Anaconda at emergency episode levels. Concentrations exceeding the emergency level were reported to EPA-Denver's episode center.

b. Air Stagnation Advisories:

January 18, 19, and 20, 1979

c. Laboratory Status:

Total Determinations for Month	2971
Total Samples for Month	572

3. Permits and Tax Credits:

a. Construction Permits, applied for:

CENEX, Laurel, steam boiler
Meyer Construction, portable gravel crusher
Dugdale Construction, Lewis & Clark County, portable asphalt batch plant

Approved:

Stauffer Chemical, Silver Bow plant, slag granulation system
Earth Builders, Valley County, portable gravel crusher
Exxon, Billings, alkylation unit
Exxon, refinery, particulate collection device on coker
Louisiana Pacific, Missoula, wood waste burner
Evans Products, Missoula, ducting and booster fan at Riley Boiler
CENEX, Laurel, steam boiler

b. Operating Permits - None

c. Tax Credits:

A tax application for Class 18 status for an automobile was denied.

Certifications for a number of energy conservation techniques at the CENEX refinery were denied.

Certifications for certain refinery items were granted for both Conoco and Exxon.

Anaconda Copper received tax certification for baghouse modifications.

4. Variance Status:

a. Current:

Anaconda Company, SO_2 variance approved in November.
ASARCO, one year variance granted through June 30, 1979.

b. New

George Berg, Berg Lumber, Lewistown, requested a variance to open burn wood waste at his sawmill.

5. Enforcement Actions:

a. Citations:

East Helena Landfill, East Helena, MT, 790129-BR-1, Open burning at landfill in violation of rule 16-2.14(1)-S1490 (Open Burning Restrictions).

b. Notice of Violations - None

c. Order for Correction Actions - None

6. Tepee Burner and Open Burning:

Tepee burner - No. in operation: 42

Open burning permits issued:

Kalispell Office	5	Sanders Co.	1
Cascade Co.	1	Yellowstone Co.	10
Lake Co.	7	Rest of State	50
Missoula Co.	18	Total	92

7. Source Tests Performed:

a. Agency Source Tests: None

b. Non-Agency Source Tests - EERC of Billings tested Colstrip 1 & 2 plus the Corette plant in the fall of 1978. All tests indicated compliance with all applicable emission limitations for particulate SO_2 and NO_x.

8. Field Investigations:

Street dust problem, Bozeman, attempted to initiate SID
East Helena, landfill, open burning, citation issued
Deaconess Hospital, Billings, boilers, black smoke, investigation
Montana Power Co., Corette Plant, Billings, exceeding opacity limits, investigation

9. Complaints:

Billings, refineries, odor
Brand S, Livingston, smoke and particulate, hearing scheduled (2 complaints)
Aaronson Eggs, Rollins, odors, letter of reprimand
Kaiser Cement, Montana City, smoke, investigation
St. Regis, Libby, soot falling, investigation
Plum Creek, Columbia Falls, soot, investigation

10. Data Processing Services:

a. Ambient Data Summary - None since computer program is being altered

b. Emission Inventory Status: No significant activities were performed

c. Prevention of Significant Deterioration: A lot of time was spent on the rule for Montana. Various meetings were attended, including the Board of Health meeting on January 19, at which time the Montana PSD rule was adopted.

d. Modeling: No significant activities were performed

11. Environmental Impact Statements

The draft EIS for the Montana Ambient Air Quality Standards Study was issued around the 20th of January. It was sent to approximately 300 persons.

Reviewed the Libby Ranger District Draft fire plan.

12. Status of Studies, Contracts and Reports:

MAPS Historical emission inventory, final report will be written
Development of emission standards for paved and unpaved roads in design stage
Poplar River continues to operate well; FY 80 budget discussed with EPA
Flathead Environmental Study is operating well and analysis of data proceeding
MAPS Meteorology is operating well; preliminary report due in February
Network Review - will complete specific analysis of present sites to determine compliance with siting guidelines, determine final needs and will integrate into final study
ASARCO Acid Plant Study being performed by EERC is in final stages; report due by April 1.

13. Schools and Training:

Departmental training on statistics course was attended by several Bureau members

14. Public Hearings and Meetings:

a. Public Hearings Held:

Board of Health met on January 19

b. Meetings attended

DCA, regarding plotting formates
Industry representatives, Helena, regarding hydrocarbons
Helena, Hazardous Wastes committee meeting
City officials, Bozeman, regarding dust problems
Missoula, Soil Conservation Society of America
Missoula, State Airshed Meeting
Butte, Health Effects Correlation Committee, MAPS
Lt. Governor, Helena, PSD rule
EPA, Helena, Poplar River budget
Highway Department, Helena, emission study for paved and unpaved roads
Yellowstone County Lung Association, Billings, status of local air

14. c. Intra staff meetings

AQB staff meetings
MAPS staff meeting
MAAQS staff meetings
Met with Legal Division

15. Public Information Requests:

Rules	2
Clean Air Act	2
EIS for standards	300